

10/6/97
10/6/97

Page 1

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:SSSPTA1626RRW

PASSWORD:

TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
NEWS 2 "Ask CAS" for self-help around the clock
NEWS 3 May 12 EXTEND option available in structure searching
NEWS 4 May 12 Polymer links for the POLYLINK command completed in REGISTRY
NEWS 5 May 27 New UPM (Update Code Maximum) field for more efficient patent SDIs in CPlus
NEWS 6 May 27 CPlus super roles and document types searchable in REGISTRY
NEWS 7 Jun 22 STN Patent Forums to be held July 19-22, 2004
NEWS 8 Jun 28 Additional enzyme-catalyzed reactions added to CASREACT
NEWS 9 Jun 28 ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG, and WATER from CSA now available on STN(R)
NEWS 10 Jul 12 BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS

NEWS EXPRESS MARCH 31 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 APRIL 2004
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 17:31:02 ON 21 JUL 2004

=>

Uploading

THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE

Do you want to switch to the Registry File?

Choice (Y/n):

Switching to the Registry File...

Some commands only work in certain files. For example, the EXPAND

command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> FILE REGISTRY

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|----------------------|------------------|---------------|
| FULL ESTIMATED COST | 0.21 | 0.21 |

FILE 'REGISTRY' ENTERED AT 17:31:20 ON 21 JUL 2004
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2004 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 20 JUL 2004 HIGHEST RN 713489-00-0
 DICTIONARY FILE UPDATES: 20 JUL 2004 HIGHEST RN 713489-00-0

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2004

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:

<http://www.cas.org/ONLINE/DBSS/registryss.html>

=>

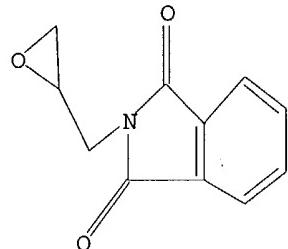
Uploading C:\Program Files\Stnexp\Queries\10699743B.str

L1 STRUCTURE uploaded

=> d

L1 HAS NO ANSWERS

L1 STR



Structure attributes must be viewed using STN Express query preparation.

=> s L1 full
 FULL SEARCH INITIATED 17:31:39 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 354 TO ITERATE

100.0% PROCESSED 354 ITERATIONS
 SEARCH TIME: 00.00.01

74 ANSWERS

L2 74 SEA SSS FUL L1

```
=> file capulus
'CAPULUS' IS NOT A VALID FILE NAME
SESSION CONTINUES IN FILE 'REGISTRY'
Enter "HELP FILE NAMES" at an arrow prompt (=>) for a list of files
that are available. If you have requested multiple files, you can
specify a corrected file name or you can enter "IGNORE" to continue
accessing the remaining file names entered.
```

| | | |
|---|--|---------------------------------------|
| COST IN U.S. DOLLARS FULL ESTIMATED COST | SINCE FILE ENTRY 155.84 | TOTAL SESSION 156.05 |
|---|--|---------------------------------------|

FILE 'CAPULUS' ENTERED AT 17:32:25 ON 21 JUL 2004
 USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
 PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
 COPYRIGHT (C) 2004 AMERICAN CHEMICAL SOCIETY (ACS)

Copyright of the articles to which records in this database refer is held by the publishers listed in the PUBLISHER (PB) field (available for records published or updated in Chemical Abstracts after December 26, 1996), unless otherwise indicated in the original publications. The CA Lexicon is the copyrighted intellectual property of the American Chemical Society and is provided to assist you in searching databases on STN. Any dissemination, distribution, copying, or storing of this information, without the prior written consent of CAS, is strictly prohibited.

FILE COVERS 1907 - 21 Jul 2004 VOL 141 ISS 4
 FILE LAST UPDATED: 20 Jul 2004 (20040720/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s L1 full
REGISTRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.
```

FULL SEARCH INITIATED 17:32:40 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 354 TO ITERATE

100.0% PROCESSED 354 ITERATIONS
 SEARCH TIME: 00.00.01

74 ANSWERS

L3 74 SEA SSS FUL L1

L4 256 L3

=> L3 and (process or prepar? or mak?)

L3 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s L3 and (proces? or prepar? or mak? or reaction)

256 L3

3262065 PROCES?

1479740 PREPAR?

554410 MAK?

2712655 REACTION

L5 176 L3 AND (PROCES? OR PREPAR? OR MAK? OR REACTION)

=> s L3 and phthalimide

256 L3

14040 PHTHALIMIDE

L6 114 L3 AND PHTHALIMIDE

=> s L5 ad alkali metal

MISSING OPERATOR L5 AD

The search profile that was entered contains terms or
nested terms that are not separated by a logical operator.

=> s L5 and alkali and metal

379783 ALKALI

1503070 METAL

L7 6 L5 AND ALKALI AND METAL

=> s L1 amd epihalohydrin

REG1stRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...

Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 17:36:40 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 20 TO ITERATE

100.0% PROCESSED 20 ITERATIONS

SEARCH TIME: 00.00.01

7 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 132 TO 668

PROJECTED ANSWERS: 7 TO 298

L8 7 SEA SSS SAM L1

L9 12 L8

MISSING OPERATOR L9 AMD

The search profile that was entered contains terms or nested terms that are not separated by a logical operator.

=> s L1 and epihalohydrin

REGISTRY INITIATED

Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 17:37:28 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 20 TO ITERATE

100.0% PROCESSED 20 ITERATIONS 7 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**

PROJECTED ITERATIONS: 132 TO 668

PROJECTED ANSWERS: 7 TO 298

L10 7 SEA SSS SAM L1

L11 12 L10

1330 EPIHALOHYDRIN

L12 0 L11 AND EPIHALOHYDRIN

=> d L10

YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:Y

L10 ANSWER 1 OF 7 REGISTRY COPYRIGHT 2004 ACS on STN

RN 608489-27-6 REGISTRY

CN 2-Propenoic acid, 2-ethyl-2-[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with [5,5'-biisobenzofuran]-1,1',3,3'-tetrone, 9H-fluoren-9-ylidenebis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] di-2-propenoate, 2-(oxiranylmethyl)-1H-isoindole-1,3(2H)-dione and 3a,4,7,7a-tetrahydro-1,3-isobenzofurandione (9CI) (CA INDEX NAME)

MF (C37 H34 O8 . C16 H6 O6 . C15 H20 O6 . C11 H9 N O3 . C8 H8 O3)x

CI PMS

PCT Polyacrylic, Polyester, Polyester formed, Polyether, Polyether formed

SR CA

LC STN Files: CA, CAPLUS

DT.CA CAPplus document type: Patent

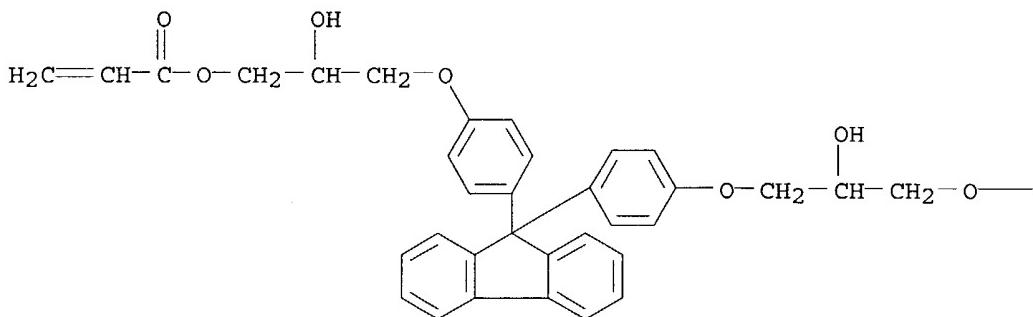
RL.P Roles from patents: PREP (Preparation); USES (Uses)

CM 1

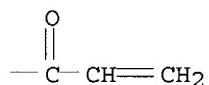
CRN 143182-97-2

CMF C37 H34 O8

PAGE 1-A

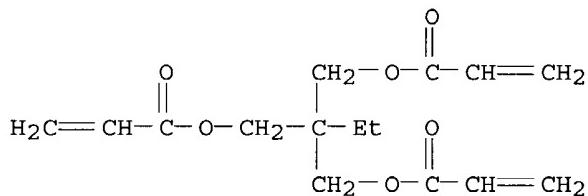


PAGE 1-B



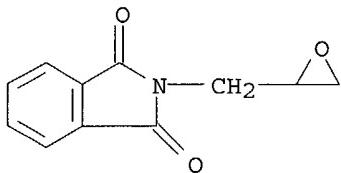
CM 2

CRN 15625-89-5
 CMF C15 H20 O6

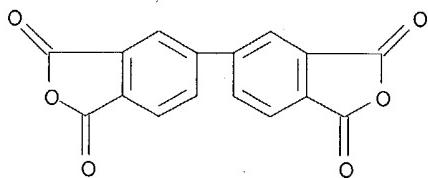


CM 3

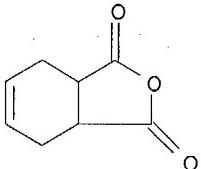
CRN 5455-98-1
 CMF C11 H9 N O3



CM 4

CRN 2420-87-3
CMF C16 H6 O6

CM 5

CRN 85-43-8
CMF C8 H8 O31 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

=> d L10 1-7

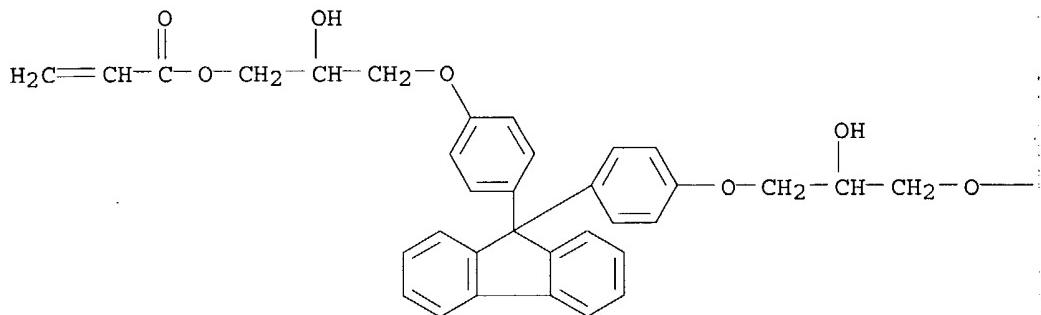
YOU HAVE REQUESTED DATA FROM FILE 'REGISTRY' - CONTINUE? (Y)/N:y

L10 ANSWER 1 OF 7 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 608489-27-6 REGISTRY
 CN 2-Propenoic acid, 2-ethyl-2-[(1-oxo-2-propenyl)oxy]methyl]-1,3-propanediyl ester, polymer with [5,5'-biisobenzofuran]-1,1',3,3'-tetrone, 9H-fluoren-9-ylidenebis[4,1-phenyleneoxy(2-hydroxy-3,1-propanediyl)] di-2-propenoate, 2-(oxiranylmethyl)-1H-isoindole-1,3(2H)-dione and 3a,4,7,7a-tetrahydro-1,3-isobenzofurandione (9CI) (CA INDEX NAME)
 MF (C37 H34 O8 . C16 H6 O6 . C15 H20 O6 . C11 H9 N O3 . C8 H8 O3)x
 CI PMS
 PCT Polyacrylic, Polyester, Polyester formed, Polyether, Polyether formed
 SR CA
 LC STN Files: CA, CAPLUS
 DT.CA CAplus document type: Patent
 RL.P Roles from patents: PREP (Preparation); USES (Uses)

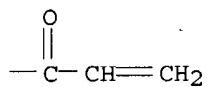
CM 1

CRN 143182-97-2
CMF C37 H34 O8

PAGE 1-A

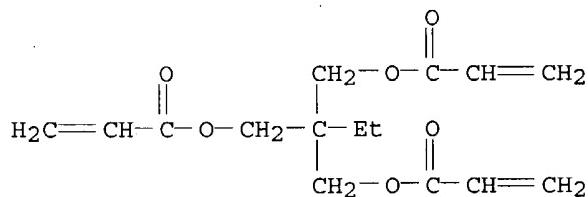


PAGE 1-B



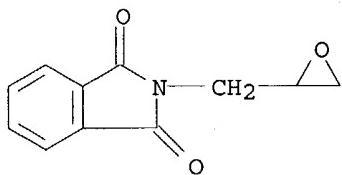
CM 2

CRN 15625-89-5
 CMF C15 H20 O6



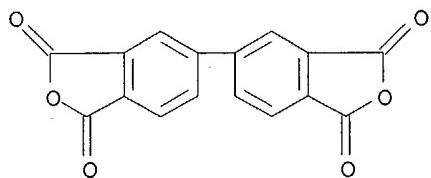
CM 3

CRN 5455-98-1
 CMF C11 H9 N O3



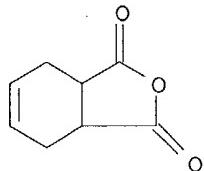
CM 4

CRN 2420-87-3
 CMF C16 H6 O6



CM 5

CRN 85-43-8
 CMF C8 H8 O3



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 2 OF 7 REGISTRY COPYRIGHT 2004 ACS on STN

RN 136465-80-0 REGISTRY

CN 1H-Isoindole-1,3(2H)-dione, 2-[(1S)-1-(2S)-oxiranyl-2-phenylethyl]- (9CI)
 (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Isoindole-1,3(2H)-dione, 2-(1-oxiranyl-2-phenylethyl)-, [S-(R*,R*)]-

FS STEREOSEARCH

MF C18 H15 N O3

SR CA

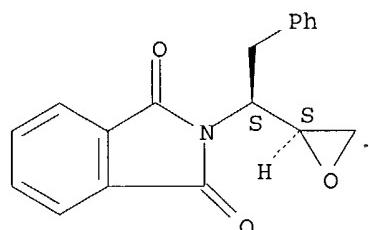
LC STN Files: CA, CAPLUS, CASREACT, PS, USPATFULL

DT.CA CAplus document type: Journal; Patent

RL.P Roles from patents: PREP (Preparation); RACT (Reactant or reagent)

RL.NP Roles from non-patents: BIOL (Biological study); PREP (Preparation);
 RACT (Reactant or reagent)

Absolute stereochemistry. Rotation (-).



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

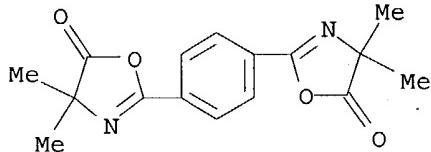
6 REFERENCES IN FILE CA (1907 TO DATE)
 6 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 3 OF 7 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 124662-43-7 REGISTRY
 CN 1H-Isoindole-1,3(2H)-dione, 2-(oxiranylmethyl)-, polymer with
 α -hydro- ω -hydroxypoly(oxy-1,4-butanediyl) and
 2,2'-(1,4-phenylene)bis[4,4-dimethyl-5(4H)-oxazolone] (9CI) (CA INDEX
 NAME)
 OTHER CA INDEX NAMES:
 CN 5(4H)-Oxazolone, 2,2'-(1,4-phenylene)bis[4,4-dimethyl-, polymer with
 α -hydro- ω -hydroxypoly(oxy-1,4-butanediyl) and
 2-(oxiranylmethyl)-1H-isooindole-1,3(2H)-dione (9CI)
 CN Poly(oxy-1,4-butanediyl), α -hydro- ω -hydroxy-, polymer with
 2-(oxiranylmethyl)-1H-isooindole-1,3(2H)-dione and 2,2'-(1,4-
 phenylene)bis[4,4-dimethyl-5(4H)-oxazolone] (9CI)
 MF (C16 H16 N2 O4 . C11 H9 N O3 . (C4 H8 O)n H2 O)x
 CI PMS
 PCT Polyether, Polyether formed, Polyether
 SR CA
 LC STN Files: CA, CAPLUS
 DT.CA Cplus document type: Patent
 RL.P Roles from patents: PREP (Preparation); PROC (Process)

CM 1

CRN 31578-05-9

CMF C16 H16 N2 O4

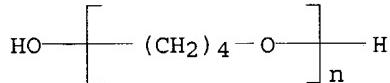


CM 2

CRN 25190-06-1

CMF (C4 H8 O)n H2 O

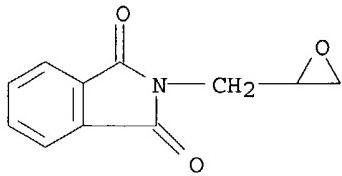
CCI PMS



CM 3

CRN 5455-98-1

CMF C11 H9 N O3



1 REFERENCES IN FILE CA (1907 TO DATE)
 1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 4 OF 7 REGISTRY COPYRIGHT 2004 ACS on STN

RN 123256-11-1 REGISTRY

CN 5-Isobenzofurancarboxylic acid, 1,3-dihydro-1,3-dioxo-, polymer with
 2-(oxiranylmethyl)-1H-isoindole-1,3(2H)-dione and 1,1'-oxybis[4-isocyanatobenzene] (9CI) (CA INDEX NAME)

OTHER CA INDEX NAMES:

CN 1H-Isoindole-1,3(2H)-dione, 2-(oxiranylmethyl)-, polymer with
 1,3-dihydro-1,3-dioxo-5-isobenzofurancarboxylic acid and
 1,1'-oxybis[4-isocyanatobenzene] (9CI)

CN Benzene, 1,1'-oxybis[4-isocyanato-, polymer with 1,3-dihydro-1,3-dioxo-5-isobenzofurancarboxylic acid and 2-(oxiranylmethyl)-1H-isoindole-1,3(2H)-dione (9CI)

MF (C₁₄ H₈ N₂ O₃ . C₁₁ H₉ N O₃ . C₉ H₄ O₅)_x

CI PMS

PCT Polyamic acid, Polyamic acid formed, Polyamide, Polyamide formed, Polyester, Polyester formed, Polyether, Polyether formed, Polyimide, Polyimide formed

SR CA

LC STN Files: CA, CAPLUS

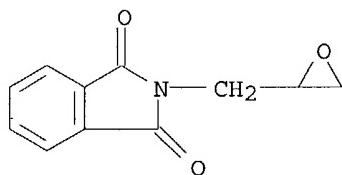
DT.CA CAplus document type: Patent

RL.P Roles from patents: PREP (Preparation)

CM 1

CRN 5455-98-1

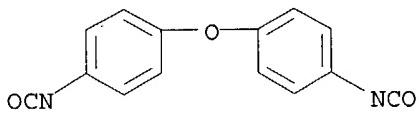
CMF C₁₁ H₉ N O₃



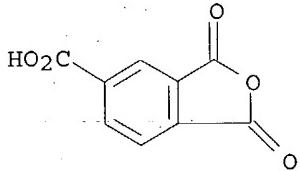
CM 2

CRN 4128-73-8

CMF C₁₄ H₈ N₂ O₃

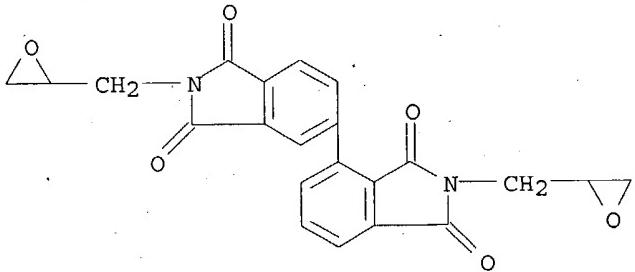


CM 3

CRN 552-30-7
CMF C₉ H₄ O₅1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 5 OF 7 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 121672-09-1 REGISTRY
 CN [4,5'-Bi-1H-isoindole]-1,1',3,3'-(2H,2'H)-tetrone, 2,2'-bis(oxiranylmethyl)-, homopolymer (9CI) (CA INDEX NAME)
 MF (C₂₂ H₁₆ N₂ O₆)_x
 CI PMS
 PCT Epoxy resin, Polyimide
 SR CA
 LC STN Files: CA, CAPLUS
 DT.CA Caplus document type: Patent
 RL.P Roles from patents: USES (Uses)

CM 1

CRN 80292-11-1
CMF C₂₂ H₁₆ N₂ O₆1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 6 OF 7 REGISTRY COPYRIGHT 2004 ACS on STN
 RN 109798-00-7 REGISTRY

CN 1H-Isoindole-5-carboxylic acid, 2,3-dihydro-2-(oxiranylmethyl)-1,3-dioxo-,
1,6-hexanediyI ester, polymer with 4,4'-methylenebis[benzenamine] (9CI)
(CA INDEX NAME)

OTHER CA INDEX NAMES:

CN Benzenamine, 4,4'-methylenebis-, polymer with 1,6-hexanediyI
bis[2,3-dihydro-2-(oxiranylmethyl)-1,3-dioxo-1H-isoiindole-5-carboxylate]
(9CI)

MF (C30 H28 N2 O10 . C13 H14 N2)x

CI PMS

PCT Epoxy resin, Polyester, Polyimide, Polyether

SR CA

LC STN Files: CA, CAPLUS

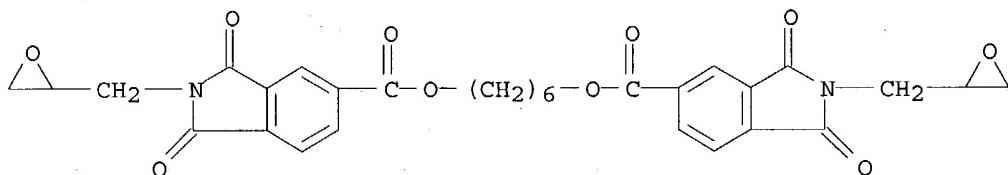
DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: PREP (Preparation); PROC (Process)

CM 1

CRN 107830-06-8

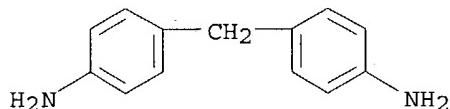
CMF C30 H28 N2 O10



CM 2

CRN 101-77-9

CMF C13 H14 N2



1 REFERENCES IN FILE CA (1907 TO DATE)

1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

L10 ANSWER 7 OF 7 REGISTRY COPYRIGHT 2004 ACS on STN

RN 107817-14-1 REGISTRY

CN 1H-Isoindole-5-carboxylic acid, 2,3-dihydro-2-(oxiranylmethyl)-1,3-dioxo-,
1,2-ethanediyl ester (9CI) (CA INDEX NAME)

FS 3D CONCORD

MF C26 H20 N2 O10

CI COM

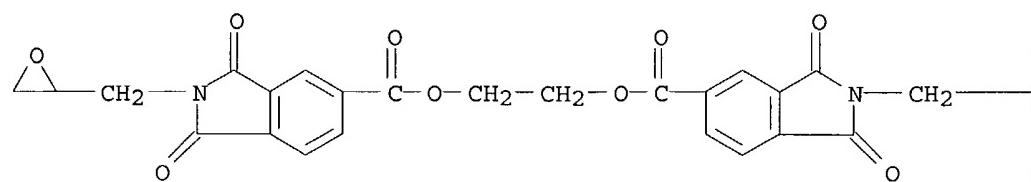
SR CA

LC STN Files: CA, CAPLUS

DT.CA Caplus document type: Journal

RL.NP Roles from non-patents: PREP (Preparation); RACT (Reactant or reagent)

PAGE 1-A



PAGE 1-B



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)